

## Demo 1: Detect an Open Cube During Rebuild

### Purpose:

The Inventory Director wants to have up-to-date information before releasing his end-of-quarter report. He needs to rebuild the cube, but has previously encountered an issue with other users accessing the cube at the same time, making it difficult to refresh the cube as needed.

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Task 1. Open Categories.mdc in PowerPlay for Windows.

1. From the **Start** menu, point to **Programs, Cognos Series 7 Version 3**, and then click **Cognos PowerPlay**.
  2. Click **Open an existing report**.
- The Choose a report dialog box appears.
3. In the Files of type box, click **PowerPlay Cubes (.mdc)**, and then navigate to **C:\Edcognos\PPT-Customizing\_PowerCubes**.
  4. Click **categories.mdc**, and then click **Open**.

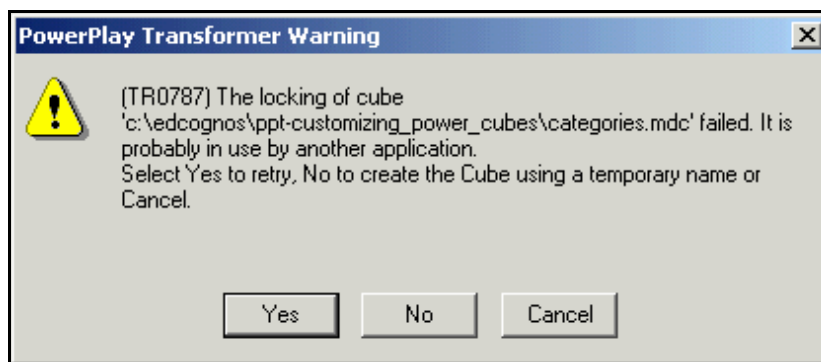
The categories.mdc PowerCube is now in use.

Task 2. Open the model in Transformer.

1. From the **Start** menu, point to **Programs, Cognos Series 7 Version 3, Tools**, and then click **PowerPlay Transformer**.
2. From the **File** menu, click **Open**, and then navigate to **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.
3. Click **Demo 1\_Start.pyi**, and then click **Open**.
4. On the Transformer toolbar, click **Create PowerCubes**.

We want to update the cube with the latest information.

A warning box displays, indicating that the cube is in use.



We would like to continue with the cube rebuild, but may not know who is accessing the cube. We will proceed by using a temporary name.

5. Click **No**.

In the PowerCube temporary file name dialog box, ensure the location to save to is C:\Edcognos\PPT-Customizing\_Power\_Cubes.

6. In the File name box, type **Demo 1.mdc**, and then click **Open**.
7. Click **OK** when prompted with the message indicating cube creation with the temporary file name.

The Orders cube rebuilds to a temporary file even though it is being used by another application.

8. Close the model, and leave Transformer open.
9. Switch to PowerPlay for Windows, and exit without saving changes.

**Results:**

**Even when the cube was in use, we were able to rebuild categories.mdc for the Inventory Director to have up-to-date information before releasing his end-of-quarter report.**

## Demo 2: Omit Dimensions and Exclude Measures from a PowerCube


### Purpose:

The Financial Advisor for the Great Outdoors needs a PowerCube that reflects the department's data needs. Currently, they use a PowerCube from the Sales department that contains measures and dimensions not relevant to the Finance department. We need to customize the Customized Sales PowerCube.

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Task 1. Using an existing model, create a new PowerCube called Customized Sales.





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1. In Transformer, open **Demo 2\_Start.pyi** located at C:\Edcognos\PPT-Customizing\_PowerCubes\Start.
2. Click the **PowerCubes** list title bar.
3. On the Transformer toolbar, click the **Insert PowerCube (Ins)** button  to add a new PowerCube to the list.  
The PowerCube property sheet appears.
4. In the PowerCube name box, type **Customized Sales**.

Task 2. Omit a dimension from the Customized Sales PowerCube.

1. Click the **Dimensions** tab.  
The current dimensions for the Customized Sales PowerCube include ORDER DATE, Product Line, Customers, and ORDER METHOD.
2. Under Dimensions, right-click **ORDER METHOD**, and then click **Omit Dimension**.

The ORDER METHOD dimension will not appear in the new Customized Sales PowerCube. Make sure the rest of the dimensions under the View list are set to All Categories to display the rest of the dimensions in their entirety.

Dimensions	View
 ORDER DATE	All Categories
 Product Line	All Categories
 Customers	All Categories
 ORDER METHOD	Omit Dimension

### Task 3. Exclude measures from the Customized Sales PowerCube.

1. Click the **Measures** tab.

The current measures in the Transformer model include Actual Revenue, Projected Revenue, Product Cost, Gross Profit, QUANTITY, and UNIT PRICE.

2. Under Measures, click **QUANTITY**, and then Ctrl+click **UNIT PRICE** to select them.

3. Right-click one of the selected measures, and then click **Exclude**.

The QUANTITY and UNIT PRICE measures will be excluded from the new CustomiSales PowerCube.

Measures	Status
Actual Revenue	Included
Projected Revenue	Included
Product Cost	Included
Gross Profit	Included
QUANTITY	Excluded
UNIT PRICE	Excluded

4. Click **OK** to exit the property sheet.

### Task 4. Generate the PowerCube, start PowerPlay for Windows, and examine the Customized Sales PowerCube.

1. On the Transformer toolbar, click **Create PowerCubes**.
2. On the Transformer toolbar, click **PowerPlay for Windows**.
3. In the dimension viewer, click the plus sign (+) next to the MEASURES folder to expand it.

The PowerPlay for Windows report should look like the following screen capture.

ORDER DATE	Product Line	Customers	Actual Revenue
2004	Camping Equipment	0	7143737
2005	Mountaineering Equipment	10954225	1535468
2006	Personal Accessories	987353	5597412
ORDER DATE	Outdoor Protection	3169048	25903285
	Golf Equipment	171559836	
	Product Line		

Actual Revenue, Projected Revenue, Product Cost, and Gross Profit are the only measures that appear in the Measures folder. The QUANTITY and UNIT PRICE measures are excluded for this PowerCube.

The ORDER METHOD dimension does not appear on the dimension line because it was excluded from the Customized Sales PowerCube.

4. Close PowerPlay for Windows without saving the report.
5. In Transformer, from the **File** menu, click **Save As**, and then navigate to **C:\Edcognos\PPT-Customizing\_PowerCubes**.
6. In the File name box, type **Demo 2**, click **Save**, and then close the model, while leaving Transformer open.

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**Results:**

**We customized the Customized Sales PowerCube by omitting the ORDER METHOD dimension and excluding the QUANTITY and UNIT PRICE measures. The cube now reflects the data used by the Finance department.**

## Demo 3: Create Dimension Views

### Purpose:

The Product management group needs a PowerCube that contains only summary information for Camping Equipment. Therefore, we decided to customize their present PowerCube and create dimension views that summarize and exclude information pertaining to Camping Equipment in specific PowerCubes.

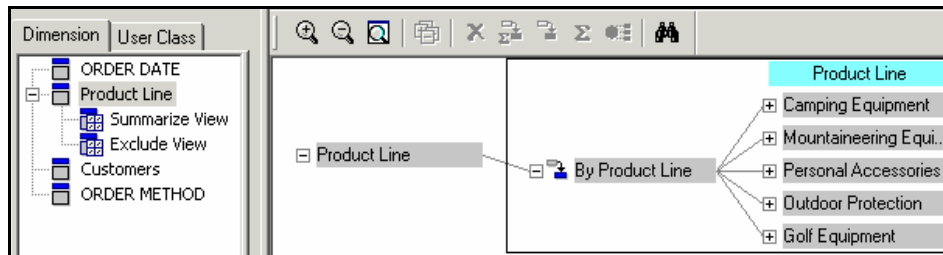
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Task 1. Create a dimension view that summarizes and excludes categories.

1. In Transformer, open the **Demo 3\_Start.pyi** model located at **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.
2. On the Dimension Map, click the **Product Line** dimension label, and then click **Show Diagram**.
3. In the dimensions pane, right-click the **Product Line** dimension, and then click **Add New View**.
4. In the View name box, type **Summarize View**, and then click **OK**.
5. In the dimensions pane, right-click the **Product Line** dimension, and then click **Add New View**.
6. In the View name box, type **Exclude View**, and then click **OK**.
7. In the dimensions pane, expand **Product Line**.

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The category viewer looks like the following screen capture.




The Summarize and Exclude Views appear under the Product Line dimension as dimension views in the dimensions pane.

Dimension views are identified by the  icon.

8. In the dimensions pane, click **Summarize View**.

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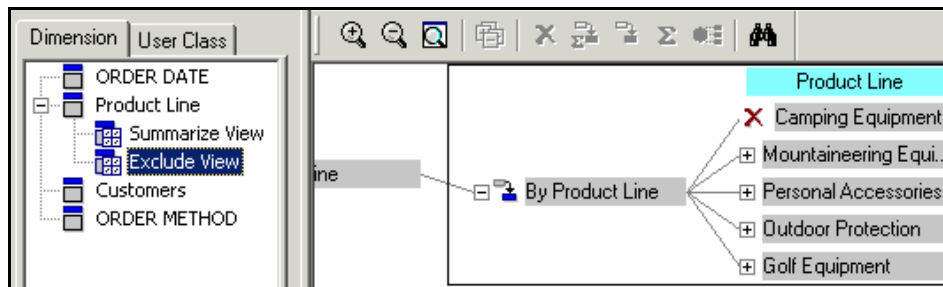
9. In the category viewer, right-click the **Camping Equipment** category label, and then click **Summarize**.


The sigma  on the left of the Camping Equipment category label represents a summary of all Camping Equipment. Camping Equipment will display a summary value only at the top level. We will not have access to lower-level categories in PowerPlay for Windows.

10. In the dimensions pane, click **Exclude View**.

11. In the category viewer, right-click the **Camping Equipment** category label, and then click **Exclude**.

The category viewer looks like the following screen capture.



The Camping Equipment category is excluded, indicated by the  icon. Camping Equipment and its descendants will not be displayed in PowerPlay for Windows.

12. Close the dimension diagram.

## Task 2. Apply dimension views to PowerCubes.

1. Click the **PowerCubes** list title bar, and then click the **Insert PowerCube (Ins)** button  to create a PowerCube.

The PowerCube property sheet appears.

2. In the PowerCube name box, type **Exclude Cube**.  
 3. Click the **Dimensions** tab.  
 4. Right-click **Product Line**, and then click **View**.

The Select a View list box appears.

5. Click **Exclude View**, and then click **OK**.

We have just applied an Exclude View to the Product Line dimension in the Exclude PowerCube.

6. Click **OK**.  
 7. Make sure the **PowerCubes** list title bar is still selected, and then click **Insert PowerCube (Ins)** to create another PowerCube.  
 8. In the PowerCube name box, type **Summarize Cube**.

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9. Click the **Dimensions** tab.
10. Right-click **Product Line**, and then click **View**.

The Select a View list box appears.

11. Click **Summarize View**, and then click **OK**.

We have applied the Summarize View to the Product Line dimension in the Summarize Cube.

12. Click **OK**.

### Task 3. Create the PowerCubes.

1. On the Transformer toolbar, click **Create PowerCubes**.
2. In the PowerCubes list, click **Exclude Cube**.
3. On the Transformer toolbar, click **PowerPlay for Windows**.
4. In the dimension viewer, click the plus sign (+) next to the Product Line dimension folder.

The PowerPlay report looks like the following screen capture.

ORDER DATE	Product Line	Customers	ORDER METHOD	Actual Revenue
	Mountaineering Equipment			
	Personal Accessories			
	Outdoor Protection			
	Golf Equipment			
2004				0
2005				9640993
2006				11247857
ORDER DATE				20888850

The Camping Equipment category is not available from the Product Line dimension.

5. Close PowerPlay for Windows without saving the report.
6. In the PowerCubes list, click **Summarize Cube**.
7. On the Transformer toolbar, click **PowerPlay for Windows**.

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8. Click the plus sign (+) next to the Product Line dimension folder.

Camping Equipment does not contain lower-level categories.

ORDER DATE	Product Line	Customers	ORDER METHOD	Actual Revenue
2004	Camping Equipment			20469356
2005	Camping Equipment			31370876
2006	Camping Equipment			37867419
ORDER DATE				89707651

9. Drill down on the intersection of **2004** and **Camping Equipment**.

The summary value 20469356 is summarized into lower-level categories for the four quarters of 2004.

10. Close PowerPlay for Windows without saving the report.  
11. Close the model without saving, and leave Transformer open.

#### Results:

We customized the PowerCube by adding an Exclude View so that users do not have access to detailed information about Camping Equipment. However, when the Summarize View is applied to a PowerCube, users will have access to summary information about Camping Equipment.

## Demo 4: Create a Cube Group

### Purpose:

The headquarters of the Great Outdoors company is responsible for maintaining customer records for all locations. This information is then sent to each country's sales director. Instead of creating individual cubes for each country, we save time and create a cube group based on the Country level of the Customers dimension.

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Task 1. Using an existing model, create a cube group.

1. In Transformer, open the **Demo 4\_Start.pyi** model located at **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.

2. Make sure the **PowerCubes** list title bar is selected.

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3. On the Transformer toolbar, click **Insert PowerCube (Ins)**.

The PowerCube property sheet appears.

4. In the PowerCube name box, type **Customers**.

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5. Click the **Cube Group** tab.

6. Under Cube for each category, in the Dimension box, click **Customers**.

7. In the Level box, click **Country**.

Country is the level in the Customers dimension that each PowerCube will be created from.

8. Under Focus of detail, in the Lowest detail of categories in the level box, click **City**.

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This option determines the level of detail for each PowerCube.

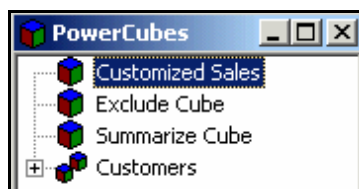
9. In the Summarize all external categories in the level box, click **Country**.


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Country defines the summarization level for the other customer sites in the other dimensions.

10. Click **OK** to exit the property sheet.

The PowerCubes list looks like the following screen capture.



In the PowerCubes list, the  icon indicates that the Customers object is a cube group.

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11. In the PowerCubes list, click the plus sign (+) next to the Customers cube group.

Notice that PowerCubes are created for each Country category in the Country level.

12. In the PowerCubes list, right-click **Customers**, and then click **Create Selected PowerCube**.

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## Task 2. Display the United States and United Kingdom PowerCubes in PowerPlay for Windows.

1. In the PowerCubes list, click **United States** to select it.
2. On the Transformer toolbar, click **PowerPlay for Windows**.
3. In the dimension viewer, click the plus sign (+) next to the Customers folder.

The PowerPlay report should look like the following screen capture.

ORDER DATE	Camping Equipment	Mountaineering Equipment	Personal Accessories	Outdoor Protection
2004	20469356	0	7143737	1536
2005	31370876	9640993	10954225	987
2006	37867419	11247857	13793040	646
<b>ORDER DATE</b>	<b>89707651</b>	<b>20888850</b>	<b>31891002</b>	<b>3169</b>

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United States contains additional drill-down levels, and all other groups show summarized information at the top level.

This is a result of creating a cube group at the Customer level. Each cube in the cube group contains detailed level information for one customer and summary information for all other customers.

4. Close PowerPlay for Windows without saving the report.
5. In the PowerCubes list, click **United Kingdom**.
6. On the Transformer toolbar, click **PowerPlay for Windows**.

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7. In the dimension viewer, click the plus sign (+) next to the Customers folder.

United Kingdom contains additional drill-down levels, and the other categories contain summarized information at the top level.

ORDER DATEProduct LineCustomersORDER METHODActual Revenue

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ORDER DATE

Product Line

Customers

Canada

Germany

United States

France

Mexico

Japan

Sweden

Netherlands

Italy

Australia

Spain

Brazil

Denmark

Finland

Korea

Taiwan

China

United Kingdom

Switzerland

	Camping Equipment	Mountaineering Equipment	Personal Accessories	Outdoor Protection	G
2004	20469356	0	7143737	1535468	
2005	31370876	9640993	10954225	987353	
2006	37867419	11247857	13793040	646227	
ORDER DATE	89707651	20888850	31891002	3169048	

PowerPlay - [PPlay1 of United Kingdom (Explorer)]

c:\edcognos\ppt-customizing\_po

ORDER DATE

Product Line

Customers

Canada

Germany

United States

France

Mexico

Japan

Sweden

Netherlands

Italy

Australia

Spain

Brazil

Denmark

Finland

Korea

Taiwan

China

United Kingdom

Switzerland

2004

2005

2006

ORDER DATE

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8. Close PowerPlay for Windows without saving the report

9. In Transformer, close the model without saving, and leave Transformer open.

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**Results:**  
We created a cube group containing a PowerCube for each country in the Country level of the Customers dimension.

## Demo 5: Create and Modify a Time-Based Partitioned PowerCube

### Purpose:

The financial advisor would like to use the Sales Analysis model for reviewing quarterly sales for the years 2004, 2005, 2006. After studying the results, he decided that it would be best to keep only the information for 2005 and 2006, and he would like the model to be modified.

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Task 1. Define a Time-Based Partitioned PowerCube for the model.

1. In Transformer, open the **Demo 5\_Start.pyi** model located at **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.
2. Close the Signons window.
3. Click the **PowerCubes** list title bar, and then click **Insert PowerCube (Ins)**.

The PowerCube property sheet appears.

4. In the PowerCube name box, type **Quarterly Sales**.
5. On the Output tab, in the PowerCube file name box, type **Quarterly Sales.mdc**.
6. Click the **Cube Group** tab, and then click the **Enable Time-based Partitioning** check box to select it.

Notice that values for the Dimension box and Level box are entered when you select the check box.

7. In the Level box, click **Quarter**.

This determines the level of detail for the time dimension that our time-based partitioned cube will be based on.

8. Click **OK**.

The Quarterly Sales time-based partitioned cube is now displayed in the PowerCubes list.

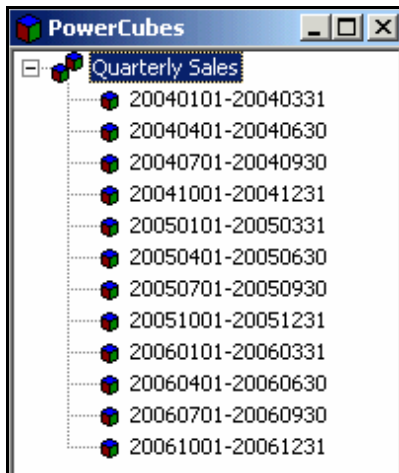
9. On the Transformer toolbar, click **Check Model**, view the results, and then click **OK**.

10. On the Transformer toolbar, click **Create PowerCubes**.

Transformer builds the time-based partitioned cube and its members.

11. In the PowerCubes list, expand **Quarterly Sales** to display the list of member cubes.

Notice each member cube is named with the date range and there is a separate cube for each quarter of data.



Task 2. Explore the Quarterly Sales time-based partitioned cube in PowerPlay for Windows.

1. In the PowerCubes list, click **Quarterly Sales**.
2. In the Transformer toolbar, click **PowerPlay for Windows**.

The results of sales by Product Line are displayed for 2004 to 2006.

3. In the Dimension Viewer, expand **Order Date**, and then expand **2004**.

The quarterly periods are displayed for 2004.

4. Right-click **Sales Territory En**, and then click **Replace Columns**.

The results of sales by sales territory are displayed.

The screenshot shows the PowerPlay - [PPlay1 of Quarterly Sales (Explorer)] window. The left pane shows the Dimension Viewer with 'Order Date' expanded and '2004' selected. The right pane shows a table of sales data by territory for 2004, 2005, and 2006. The table has columns for Order Date, Americas, Central Europe, Asia Pacific, Southern Europe, Northern Europe, and Sales Territory En.

Order Date	Americas	Central Europe	Asia Pacific	Southern Europe	Northern Europe	Sales Territory En
2004	15412931	10207720	2009643	3782249	3338132	34750675
2005	19473622	19041869	6542380	7001072	10499757	62558700
2006	24330411	21419131	8530681	8100848	11886630	74267701
<b>Order Date</b>	<b>59216964</b>	<b>50668720</b>	<b>17082704</b>	<b>18884169</b>	<b>25724519</b>	<b>171577076</b>

5. In the Explorer report, double-click **2005** to drill down.

The results are displayed for each quarter of 2005.

6. In the Explorer report, double-click **2005** to drill up, and then double-click **2004** to drill down.

The results are displayed for each quarter of 2004.

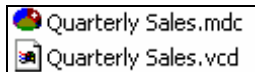
7. Close PowerPlay for Windows without saving the report.

### Task 3. Modify the Quarterly Sales time-based partitioned cube to include information for only the year 2005.

1. Launch Windows Explorer, and navigate to **C:\Edcognos**.

If the display is not alphabetically sorted, you may want to click the Name column so that you can locate specific filenames easier.

When the time-based partitioned cube Quarterly Sales was built, a PowerCube named Quarterly Sales.mdc and a corresponding file Quarterly Sales.vcd file were created. We will now edit the .vcd file to exclude the data for the year 2004.

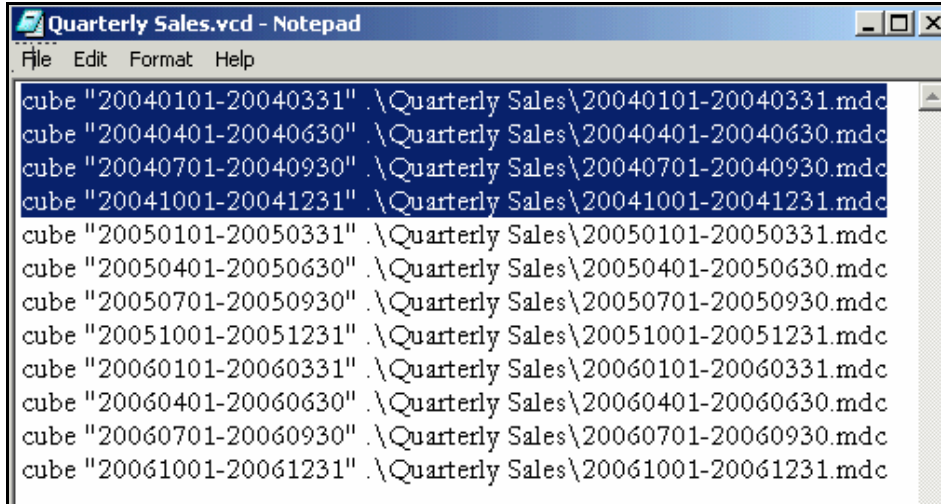


2. Open the file **Quarterly Sales.vcd** using Notepad.

Notice that each member cube is referenced by a line of text in the .vcd file.

3. Delete the lines of text for all member cubes pertaining to the year 2004.

There will be 4 lines of text to delete.



4. Save the file and exit Notepad.
5. In Windows Explorer, double-click the **Quarterly Sales** folder to open.

This folder was created by Transformer to hold the member cubes for the Quarterly Sales time-based partitioned cube by the same name.

6. Delete the 4 member cubes for the year 2004, and then exit Windows Explorer.

Each of the existing member cubes we no longer need should be deleted to exclude them from the time-based partitioned cube.

#### Task 4. Explore the changes made to the Quarterly Sales time-based partitioned cube.

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1. In Transformer, in the PowerCubes list, **expand Quarterly Sales**.

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Notice that all of the original member cubes are still displayed. The data is still archived for all time periods in the data source, but because the occurrences were removed from .vcd file, the time-based partitioned cube will no longer reference the information of those member cubes.

2. On the Transformer toolbar, click **PowerPlay for Windows**.

Our report no longer displays information for 2004.

3. In the dimension viewer, expand **Order Date**.

There is no longer a reference to 2004.

Your report should look like the following screen capture.

	Camping Equipment	Personal Accessories	Outdoor Protection	Golf Equipment	Mountaineering Equipment	Product Line En
2005	31373644	10955752	988230	9598339	9642735	62558700
2006	37869181	13794053	646459	10709267	11248741	74267701
<b>Order Date</b>	<b>69242825</b>	<b>24749805</b>	<b>1634689</b>	<b>20307606</b>	<b>20891476</b>	<b>136826401</b>

4. In the Explorer report, double-click **2005** to drill down.  
We still have access to the sales of each quarter in 2005.
5. Close PowerPlay for Windows without saving the report.
6. In Transformer, close the model without saving, and then leave Transformer open.

#### Results:

**We created a time-based partitioned cube, and made modifications for the financial advisor to use for reviewing quarterly sales for 2005 and 2006.**



## Workshop 1: Customize PowerCubes

As a PowerPlay administrator, you have almost completed the development of your Transformer model. Your final task is to create dimension views for the Great Outdoors European Director of Marketing. The Director has determined the requirements in the following statement issued to you:

"I would like information about our products and the customers who are purchasing them. I need to analyze product information at all levels from product line to individual products. In addition, I am interested in the performance activity of our sales channels. I want to perform a sales analysis of our products sold to each customer."

The European Director is not interested in seeing information on customer type or returns. The Director is interested in information concerning revenue, discount, and quantity of products sold to determine the success of the marketing department.

To accomplish this, you must complete the following steps:

- Open the Workshop\_Start.pyi model located at C:\Edcognos\PPT-Customizing\_PowerCubes\Start.
- Create a dimension view called European View for the Customers dimension.
- Exclude the non-European Country categories in the European View.
- Create a PowerCube called European Marketing Director.
- Omit the ORDER METHOD dimension and exclude the Product Cost, Recommended List Price, and Recommended Selling Price measures from the European Marketing Director PowerCube.
- Apply the European View to the Customers dimension in the European Marketing Director PowerCube.
- Examine the results of the European Marketing Director PowerCube in PowerPlay for Windows.

For more detailed information outlined as tasks, see the Task Table on the next page.

For the final results, see the Workshop Results section that follows the Task Table.

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## Workshop 1: Task Table

TASK	WHERE TO WORK	HINTS
1. Open an existing model.	Open dialog box	<ul style="list-style-type: none"> <li>Workshop_Start.pyi model located at C:\Edcognos\PPT-Customizing_PowerCubes\Start.</li> </ul>
2. Create a dimension view called European View for the Customers dimension.	Dimension diagram <u>/Dimension pane</u>	<ul style="list-style-type: none"> <li>Type European V</li> </ul>
3. Exclude non-European country categories in the European View.	Category viewer	<ul style="list-style-type: none"> <li><u>Ensure</u> European selected in the dimension pane.</li> <li>Shift+click all non-European countries, right-click, select Exclude the shortcut menu.</li> </ul>
4. Create a PowerCube called European Marketing Director, and then omit the ORDER METHOD dimension.	PowerCube property sheet Dimensions tab	<ul style="list-style-type: none"> <li>On the Transformer toolbar, click the Add Item button.</li> <li>Right-click ORDER METHOD, and then click Omit Dimension.</li> </ul>
5. Apply the European View to the Customers dimension of the European Marketing Director PowerCube.	Dimensions tab	<ul style="list-style-type: none"> <li>Right-click Customers, and then click View.</li> </ul>

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Dimension pane

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TASK	WHERE TO WORK	HINTS
6. Exclude the Product Cost, Recommended List Price, and Recommended Selling Price measures.	PowerCube property sheet Measures tab	<ul style="list-style-type: none"> <li>Right-click the measures, and then click Exclude.</li> </ul>
7. Generate the European Marketing Director PowerCube, and examine the results in PowerPlay for Windows.	Transformer PowerPlay for Windows	<ul style="list-style-type: none"> <li>Expand the Customers dimension and the MEASURES folder.</li> </ul>

If you need more information to complete a task, see the Step-by-Step Instructions at the end of the workshop.

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Workshop 1: Results

The model should appear as shown below:

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Dimension Map

ORDER DATE	Products		Customers		ORDER METHOD
Year	Product Line	Profit Ranking	Country	Retailer Type	ORDER METHOD
Quarter	Product Type		City	Retailer Name	
Month	Product Name		Retailer Site Code		
Product Number					

Data Sources

Products

Retailers

Orders

Measures

Actual Revenue

Projected Revenue

Product Cost

Gross Profit

Recommended List Price

Recommended Selling Price

PowerCubes

DimView

European Marketing Director

The final report should appear as shown below:

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PowerPlay - [PPlay1 of European Marketing Director (Explorer)]

ORDER DATE

Products

Customers

Actual Revenue

ORDER DATE

Products

Customers

MEASURES

2004

2005

2006

ORDER DATE

Camping Equipment

Mountaineering Equipment

Personal Accessories

Outdoor Protection

Golf Equipment

Products

2004	9932377	0	3825279	800561	2767318	179259
2005	17911096	7180948	6112317	501751	4831822	385379
2006	20866779	8124276	7557919	312724	4542061	4114033
ORDER DATE	48710252	15305224	17495515	1615036	12141201	952672

PowerPlay - [Wkshp 1\_Solution.ppx of European Marketing Director]

ORDER DATE

Products

Customers

Actual Revenue

ORDER DATE

Products

Customers

MEASURES

2004

2005

2006

ORDER DATE

Camping Equipment

Mountaineering Equipment

Personal Accessories

Outdoor Protection

Golf Equipment

Products

2004	9932377	0	3825279	800561	2767318	179259
2005	17911096	7180948	6112317	501751	4831822	385379
2006	20866779	8124276	7557919	312724	4542061	4114033
ORDER DATE	48710252	15305224	17495515	1615036	12141201	952672

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Deleted: If you need more information to complete this exercise, see the following Task Table.

## Workshop 1: Step-by-Step Instructions

Task 1. Open an existing model.

1. In Transformer, open the **Workshop 1\_Start.pyi** model located at **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.

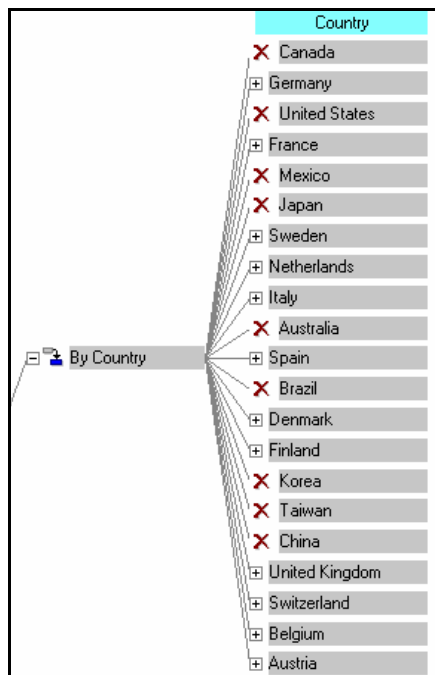
Task 2. Create a dimension view called European View for the Customers dimension.

1. On the Dimension Map, click the **Customers** dimension label, and then click **Show Diagram**. Formatted: Bullets and Numbering
2. In the Dimensions pane, right-click the **Customers** dimension, and then click **Add New View**.
3. In the View name box, type **European View**, and then click **OK**.

Task 3. Exclude non-European country categories in the European View.

1. In the Dimensions pane, expand **Customers**, and then click **European View**. Formatted
2. In the category viewer, under the Country label, Shift+click to select **Canada, United States, Mexico, Japan, Australia, Brazil, Korea, Taiwan, and China**.
3. Right-click one of the selected countries, and then click **Exclude**.

The dimension diagram looks like the following screen capture.



4. Close the dimension diagram. Formatted: Bullets and Numbering

Task 4. Create a PowerCube called European Marketing Director, and then omit the ORDER METHOD dimension.

1. Click the PowerCubes list title bar to select it, and then click **Insert PowerCube (Ins)**.  
The PowerCube property sheet appears.
2. In the PowerCube name box, type **European Marketing Director**.
3. Click the **Dimensions** tab.
4. Under Dimensions, right-click **ORDER METHOD**, and then click **Omit Dimension**.

Task 5. Apply the European View to the Customers dimension of the European Marketing Director PowerCube.

1. Right-click **Customers**, and then click **View**.  
The Select a View box appears.
2. Click **European View**, and then click **OK**.

Task 6. Exclude the Product Cost, Recommended List Price, and Recommended Selling Price measures.

1. Click the **Measures** tab.
2. Click **Product Cost**, and then Ctrl+click **Recommended List Price** and **Recommended Selling Price** to select them.
3. Right-click the selected measures, and then click **Exclude**.
4. Click **OK** to exit the property sheet.

Task 7. Generate the European Marketing Director PowerCube, and examine the results in PowerPlay for Windows.

1. In the PowerCubes list, right-click **European Marketing Director**, and then click **Create Selected PowerCube**.
2. On the Transformer toolbar, click **PowerPlay for Windows**.

3. In the dimension viewer, click the plus sign (+) next to Customers, and then click the plus sign (+) next to MEASURES to expand them.

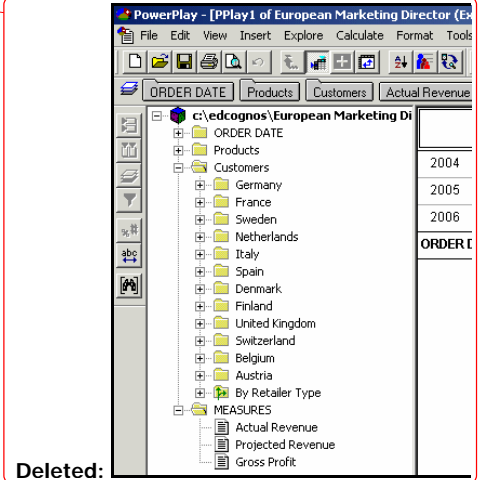
The ORDER METHOD dimension has been excluded from the dimension line. Also, in the Measures folder, Actual Revenue, Projected Revenue, and Gross Profit are the only measures displayed in PowerPlay. The Exclude option excludes all countries except European from the PowerPlay user's view.

4. Close PowerPlay for Windows without saving the report.
5. In Transformer, close the model without saving, and then leave Transformer open.

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The PowerPlay report should look like the following screen capture.



## Workshop 2

- Create a Cube Group





## Workshop 2: Create a Cube Group

The European Product Line managers of the Great Outdoors decided that they needed to create a cube group to satisfy their reporting requirements. As the PowerPlay administrator, you have received the following statement:

"We are interested in examining the sales performance of our product line to determine the sales performance of each European customer of Great Outdoors. Success of our business is determined by analyzing actual revenue, projected revenue, actual revenue, product cost, and gross profit.

To accomplish this, you must complete the following steps:

- Open the Workshop 2\_Start.pyi model located at C:\Edcognos\PPT-Customizing\_PowerCubes\Start.
- Create a cube group definition using the Products dimension at the Product Line level.
- Identify the lowest level of detail as Product Number for each PowerCube in the cube group.
- Provide summaries for all external categories at the Product Line level.
- Exclude the Recommended Selling Price and Recommended List Price measures from the cube group.
- Apply the European View to the Customers dimension.
- Generate the cube group and examine the results in PowerPlay for Windows for the Camping Equipment cube.

For more detailed information outlined as tasks, see the Task Table on the next page.

For the final results, see the Workshop Results section that follows the Task Table.

## Workshop 2: Task Table

TASK	WHERE TO WORK	HINTS
1. Using an existing model, create a new PowerCube called European Product Line Managers.	PowerCube property sheet	<ul style="list-style-type: none"> <li>Workshop 2_Start.pyi model located at C:\Edcognos\PPT-Customizing_PowerCubes\Start.</li> </ul>
2. Create a cube group definition using the Products dimension at the Product Line level.	Cube Group tab	<ul style="list-style-type: none"> <li>Identify Product Number as the lowest level of detail for each PowerCube in the cube group.</li> <li>Provide summaries of all external categories at the Product Line level.</li> </ul>
3. Exclude the Recommended Selling Price and Recommended List Price measures from the cube group.	Measures tab	<ul style="list-style-type: none"> <li>Right-click the selected measures, and then click Exclude.</li> </ul>
4. Apply the European View to the Customers dimension.	Dimensions tab	<ul style="list-style-type: none"> <li>Right-click Customers, and click View.</li> </ul>
5. Generate the cube group, start PowerPlay for Windows, and examine the results.	Transformer PowerPlay for Windows	<ul style="list-style-type: none"> <li>View the Camping Equipment cube in PowerPlay.</li> <li>Expand the Products folder and the MEASURES folder.</li> </ul>

If you need more information to complete a task, see the Step-by-Step Instructions at the end of the workshop.

**Deleted:** If you need more information to complete a task, see the Step-by-Step Instructions section.

## Workshop 2: Results

The model should appear as shown below:

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Dimension Map						
ORDER DATE		Products		Customers		ORDER METHOD
Year	Product Line	Profit Ranking	Country	Retailer Type	ORDER METHOD	
Quarter	Product Type		City	Retailer Name		
Month	Product Name		Retailer Site Code			
		Product Number				

Data Sources	
	Products
	Retailers
	Orders

Measures	
	Actual Revenue
	Projected Revenue
	Product Cost
	Gross Profit
	Recommended List Price
	Recommended Selling Price

PowerCubes	
	DimView
	European Marketing Director
	European Product Line Managers
	Camping Equipment
	Mountaineering Equipment
	Personal Accessories
	Outdoor Protection
	Golf Equipment

The final report should appear as shown below:

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PowerPlay - [PPlay1 of Camping Equipment (Explorer)]							
c:\edcognos\europaean product line							
ORDER DATE	Products	Customers	ORDER METHOD	Actual Revenue	Camping Equipment	Mountaineering Equipment	Personal Accessories
2004				9932377.00	0.00	3825279.00	800561.00
2005				17911096.00	7180948.00	6112317.00	501751.00
2006				20866779.00	8124276.00	7557919.00	312724.00
ORDER DATE				48710252.00	15305224.00	17495515.00	1615036.00

MEASURES	
Actual Revenue	
Projected Revenue	
Product Cost	
Gross Profit	

## Workshop 2: Step-by-Step Instructions

Task 1. Using an existing model, create a new PowerCube called European Product Line Managers.

1. In Transformer, open the **Workshop 2\_Start.pyi** model located at **C:\Edcognos\PPT-Customizing\_PowerCubes\Start**.
2. Click the **PowerCubes** list title bar if not already selected.
3. On the Transformer toolbar, click **Insert PowerCube (Ins)**.

The PowerCube property sheet appears.

4. In the PowerCube name box, type **European Product Line Managers**.

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Task 2. Create a cube group definition using the Products dimension at the Product Line level.

1. In the PowerCube property sheet, click the **Cube Group** tab.
2. Under Cube for each category, in the Dimension box, click **Products**.
3. In the Level box, click **Product Line**.
4. In the Lowest detail of categories in the level box, click **Product Number**.
5. In the Summarize all external categories in the level box, click **Product Line**.

Task 3. Exclude the Recommended Selling Price, and Recommended List Price measures from the cube group.

1. Click the **Measures** tab.
2. Under Measures, click **Recommended List Price**, and then Ctrl+click **Recommended Selling Price**.
3. Right-click one of the selected measures, and then click **Exclude**.

Task 4. Apply the European View to the Customers dimension.

1. Click the **Dimensions** tab.
2. Under Dimensions, right-click **Customers**, and then click **View**.
3. Click **European View**, and then click **OK**.
4. Click **OK** to close the property sheet.

## Task 5. Generate the cube group, start PowerPlay for Windows, and examine the results.

1. In the PowerCubes list, click the plus sign (+) next to European Product Line Managers to display the cube group.
2. Right-click **European Product Line Managers**, and then click **Create Selected PowerCube**.
3. In the PowerCubes list, click **Camping Equipment**.
4. On the Transformer toolbar, click **PowerPlay for Windows**.
5. In the dimension viewer, click the plus sign (+) next to Products, and then click the plus sign (+) next to MEASURES.

The PowerPlay report should look like the following screen capture.

ORDER DATE	Camping Equipment	Mountaineering Equipment	Personal Accessories	Outdoor Protection	Golf Equipment	Products
2004	9932377.00	0.00	3825279.00	800561.00	2767318.00	17325535.00
2005	17911096.00	7180948.00	6112317.00	501751.00	4831822.00	36537934.00
2006	20866779.00	8124276.00	7557919.00	312724.00	4542061.00	41403759.00
<b>ORDER DATE</b>	<b>48710252.00</b>	<b>15305224.00</b>	<b>17495515.00</b>	<b>1615036.00</b>	<b>12141201.00</b>	<b>95267228.00</b>

The Camping Equipment cube of the European Product Line Managers cube group contains only Camping Equipment products, rather than the entire Product dimension. This is indicated by the Camping Equipment folder, which contains 5 product types in that product line. In addition, the Measures folder does not contain the Recommended List Price and Recommended Selling Price measures because they were excluded from the cube group.

6. Close PowerPlay for Windows without saving the report.
7. In Transformer close the model without saving, and then close Transformer.

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